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## IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method of transducing a cell lacking CAR comprising contacting the cell with an expression vector comprising an Ad backbone nucleic acid sequence and polynucleotide encoding a chimeric adenovirus (Ad) fiber polypeptide comprising a tail region, a shaft region and a knob region, wherein the tail region comprises an adenovirus serotype 5 (Ad5) tail region, the shaft region comprises an adenovirus serotype 30 (Ad30) shaft region, and the knob region comprises an Ad30 knob region.

## 2. (Cancelled)

- 3. (Currently Amended) The method of claim <u>24</u> [[1]], wherein the polynucleotide encoding a chimeric Ad fiber polypeptide encodes SEQ ID NO:1.
- 4. (Currently Amended) The method of claim <u>24</u> [[1]], wherein the shaft region comprises amino acids 46-188 of SEQ ID NO:1.
- 5. (Currently Amended) The method of claim <u>24</u> [[1]], wherein the knob region comprises amino acids 189-371 of SEQ ID NO:1.
- 6. (Currently Amended) The method of claim <u>24</u> [[1]], wherein the tail region comprises amino acids 1-45 of SEQ ID NO:1.
- 7. (Currently Amended) The method of claim <u>24</u> [[1]], wherein the polynucleotide encoding a chimeric Ad fiber polypeptide comprises SEQ ID NO:12.
- 8. (Original) The method of claim 7, wherein the polynucleotide comprises nucleotides 1-564 of SEQ ID NO:12.

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9. (Currently Amended) The method of claim <u>24</u> [[1]], wherein the polynucleotide encoding a chimeric Ad fiber polypeptide comprises nucleotides 1-135 of SEQ ID NO:12.

## 10. (Cancelled)

- 11. (Original) The method of claim 10, wherein the polynucleotide comprises nucleotides 136-564 of SEQ ID NO:12.
- 12. (Currently Amended) The method of claim 24 [[1]], wherein the tail region is an Ad5 tail region, the shaft region is an Ad30 shaft region comprising amino acids 46-188 of SEQ ID NO:1, and the knob region is an Ad30 knob region.
- 13. (Original) The method of claim 12, wherein the polynucleotide encoding the shaft region comprises nucleotides 136-564 of SEQ ID NO:12.
- 14. (Original) The method of claim 1, wherein the expression vector further comprises a nucleotide sequence encoding a therapeutic agent.
- 15. (Original) The method of claim 1, wherein the polynucleotide encoding a chimeric Ad fiber polypeptide is operably linked to a polynucleotide encoding an amino acid sequence for a therapeutic agent.
  - 16. (Original) The method of claim 1, wherein the cell is a neuronal or epithelial cell.
- 17. (Original) The method of claim 16, wherein the cell is a human umbilical vein epithelial cell (HUVEC).
  - 18. (Original) The method of claim 1, wherein the cell is a tumor cell.
- 19. (Original) The method of claim 18, wherein the tumor cell is from prostate, brain, breast, lung, spleen, kidney, heart, or liver.

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20. (Original) The method of claim 18, wherein the cell is a neuroprogenitor or stem cell.

- 21. (Original) A method of transducing a cell lacking CAR comprising contacting the cell with an adenovirus particle comprising an Ad backbone nucleic acid sequence and polynucleotide encoding a chimeric Ad fiber polypeptide comprising a tail region, a shaft region and a knob region, wherein at least one of these regions comprises an Ad30 tail region, an Ad30 shaft region and/or an Ad30 knob region.
- 22. (Withdrawn) A method of treating a genetic disease or cancer in a mammal comprising administering: (a) a polypeptide comprising an adenovirus serotype 30 (Ad30) fiber protein and/or a chimeric Ad fiber polypeptide comprising a tail region, a shaft region and a knob region, wherein at least one of these regions comprises an Ad30 tail region, an Ad30 shaft region or an Ad30 knob region; and/or (b) a polynucleotide comprising a nucleic acid sequence encoding an Ad30 fiber; and/or (c) an expression vector comprising an Ad backbone nucleic acid sequence and polynucleotide encoding a chimeric Ad fiber polypeptide comprising a tail region, a shaft region and a knob region, wherein at least one of these regions comprises an Ad30 tail region, an Ad30 shaft region or an Ad30 knob region; and/or (d) an adenovirus particle comprising an expression vector comprising an Ad backbone nucleic acid sequence and polynucleotide encoding a chimeric Ad fiber polypeptide comprising a tail region, a shaft region and a knob region, wherein at least one of these regions comprises an Ad30 tail region, an Ad30 shaft region or an Ad30 knob region.
  - 23. (Withdrawn) The method of claim 22, wherein the mammal is human.
- 24. (New) A method of transducing a cell lacking CAR comprising contacting the cell with an expression vector comprising an Ad backbone nucleic acid sequence and polynucleotide encoding a chimeric adenovirus (Ad) fiber polypeptide comprising a tail region, a shaft region and a knob region, wherein the polynucleotide encoding a chimeric Ad fiber polypeptide encodes SEQ ID NO:1, encodes amino acids 46-188 of SEQ ID NO:1, encodes

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amino acids 189-371 of SEQ ID NO:1, encodes amino acids 1-45 of SEQ ID NO:1, encodes SEQ ID NO:12, encodes nucleotides 1-564 of SEQ ID NO:12, encodes nucleotides 1-135 of SEQ ID NO:12, encodes nucleotides 136-564 of SEQ ID NO:12.

- 25. (New) The method of claim 24, wherein the expression vector further comprises a nucleotide sequence encoding a therapeutic agent.
- 26. (New) The method of claim 24, wherein the polynucleotide encoding a chimeric Ad fiber polypeptide is operably linked to a polynucleotide encoding an amino acid sequence for a therapeutic agent.
  - 27. (New) The method of claim 24, wherein the cell is a neuronal or epithelial cell.
- 28. (New) The method of claim 27, wherein the cell is a human umbilical vein epithelial cell (HUVEC).
  - 29. (New) The method of claim 24, wherein the cell is a tumor cell.
- 30. (New) The method of claim 29, wherein the tumor cell is from prostate, brain, breast, lung, spleen, kidney, heart, or liver.
- 31. (New) The method of claim 24, wherein the cell is a neuroprogenitor or stem cell.
- 32. (New) The method of claim 21, wherein the shaft region is from Ad30 and the knob region is from Ad30, and the tail region is not from Ad30.